

In the Claims

Applicants cancel claims 45 and 57 without prejudice or disclaimer. Upon entry of the amendments, the claims will read as set forth below.

Claims 1-36 (Canceled).

37. (Previously amended) A polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1, wherein the polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the polypeptide has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 OF SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1.

38. (Previously amended) The polypeptide according to claim 37, further comprising a cysteine residue at the carboxyl terminus and the amino terminus of the polypeptide, thereby providing a capability to form a cyclic polypeptide via formation of a disulfide bond.

39. (Currently amended) The polypeptide according to claim 37, further comprising ~~[[a]]~~ an additional amino acid residue located at least one position selected from the group consisting of the carboxyl terminus and the amino terminus of the

polypeptide, wherein the additional amino acid residue ~~with a chemically reactive side chain~~ is selected from the group consisting of cysteine, lysine, glutamic acid, arginine, asparagine, glutamine, tryptophan, serine, threonine and aspartic acid.

40. (Currently amended) The polypeptide according to claim 39, wherein the additional amino acid residue ~~with a chemically reactive side chain~~ is derivatized or derivatizable.

41. (Previously amended) The polypeptide according to claim 40, wherein the terminal amino acid residue is cysteine derivatized with S-(2-pyridyl) dithio.

42. (Currently amended) The polypeptide according to claim 37, wherein ~~the polypeptide is altered to remove one or more~~ amino acid residues selected from the group consisting of cysteine, lysine, glutamic acid, arginine, asparagine, glutamine, tryptophan, serine, threonine and aspartic acid is deleted from the sequence of short consensus repeat 3 of complement receptor 1 ~~with chemically reactive side chains~~.

43. (Currently amended) A multimeric polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1, wherein the polypeptide comprises at least two polypeptide constituents that comprise a 6 to 23

amino acid portion of SEQ ID NO: 1, and wherein the polypeptide constituents have at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 OF SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1, wherein the polypeptide constituents do not comprise a mature short consensus repeat-3 and the polypeptide constituents are linked to a core structure selected from the group consisting of a lysine derivative, tris (aminoethyl) amine and 1,2,4,5 benzene tetracarboxylic acid

44. (Currently amended) The multimeric polypeptide according to claim 43, wherein the core structure ~~comprises a derivative of lysine~~ comprises a MAP peptide.

Claim 45. (Canceled).

46. (Currently amended) The multimeric polypeptide according to claim 43, wherein the multimeric polypeptide comprises at least two to and no more than eight polypeptides having only a partial sequence from short consensus repeat 3 of complement-receptor-4 polypeptide constituents.

47. (Currently amended) The multimeric polypeptide according to claim 43, wherein the MAP peptide comprises ~~which comprises~~ (Lys)₄ (Lys)₂ Ala-OH) linked

through ~~N-(ε-thiopropionyl) linkers that are disulfide bonded to cysteine thiol of the~~
polypeptide ~~SGGRKVFELVGEPSIYC.~~

48. (Currently amended) A chimeric polypeptide comprising a host protein and as an insert a polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1, wherein the polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1 comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, wherein the polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1 has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 of SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1,

wherein the polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1 is inserted into ~~a non-essential region of~~ the host protein.

49. (Previously amended) The chimeric polypeptide according to claim 48, wherein the host protein contains at least one short consensus repeat of complement receptor 1.

50. (Original) The chimeric polypeptide according to claim 48, wherein the host protein is a plasma protein.

51. (Previously amended) The polypeptide according to claim 37, wherein the polypeptide is selected from the group consisting of:

linear CNPGSGGRKVFELVGEPsiYC (SEQ ID NO: 4);

cyclic CNPGSGGRKVFELVGEPsiYC (SEQ ID NO: 4);

SGGRKVFELVGEPsiYC (SEQ ID NO: 5);

CGGRKVFC (SEQ ID NO: 7); and

FELVGEPsiYSTSNDDQVGiWSG (SEQ ID NO: 8).

52. (Currently amended) A process for preparing a polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1, wherein the polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the polypeptide has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 of SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1, comprising the steps of:
condensing peptide units to form the polypeptide, and recovering the polypeptide.

53. (Previously amended) A process for preparing a polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1, wherein

the polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the polypeptide has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 of SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1, comprising the step of:

expressing DNA encoding the polypeptide in a recombinant host cell, and recovering the polypeptide.

54. (Previously amended) An isolated polynucleotide encoding a polypeptide having only a partial sequence from short consensus repeat 3 of complement receptor 1, wherein the polypeptide comprises a 6 to 23 amino acid portion of SEQ ID NO: 1, and wherein the polypeptide has at least one amino acid sequence selected from the group consisting of:

(a) amino acids 6-11 of SEQ ID NO: 1, and

(b) amino acids 11-20 of SEQ ID NO: 1.

55. (Original) The polynucleotide according to claim 54, wherein the polynucleotide is in an expression vector.

56. (Original) The polynucleotide according to claim 54, wherein the polynucleotide is in an expression vector and the expression vector is in a host cell.

Claim 57. (Canceled).